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云南农业大学学报(自然科学) » 2011, Vol. 26 » Issue (4) :572-577 DOI:

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性诱剂监测及防治小菜蛾研究初报

1. 临沧市植保植检站, 云南 临沧 677000; 2. 昆明市盘龙区龙泉街道办事处, 云南 昆明 650205;
3. 云南省农业科学院 环境资源研究所, 云南 昆明 650205

null

1. Plant Protection and Quarantine Station of Lincang City, Lincang 677000, China; 2. Longquan Subdistrict Office of Panlong District, Kunming 650205, China; 3. Environmental Resources Research Institute of Yunnan Academy of Agricultural Sciences, Kunming 650205, China

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摘要 2009年1-8月, 利用性诱剂对临沧市临翔区蔬菜小菜蛾进行了监测及防治研究。结果表明, 性诱剂监测与测报灯监测相比, 性诱剂监测更为灵敏, 诱捕效果更好。小菜蛾发生高峰期在3月中下旬。性诱剂对小菜蛾防治效果可达60%~70%, 随作用时间的延长控制效果愈加显著 ($P < 0.05$)。利用性诱剂可持续、有效地控制田间小菜蛾种群数量, 减少农药的使用, 具有经济、安全、高效的特点。性诱剂在小菜蛾的监测及防治上的应用前景极佳

关键词: 菜蛾小 性诱剂 监测 防治

Abstract: A preliminary study on using sex pheromone to monitor and control vegetable diamondback moth (*Plutella xylostella* Linnaeus) in Linxiang Lincang from January to August in 2009. The results showed that using sex pheromone monitoring was more sensitive and effective than the forecasting light monitoring. The occurred peak of diamondback moth was from mid to late in March. The control effect of sex pheromone in diamondback moth was up to 60%~70%. To extend the using time, the effective was more significant ($P < 0.05$). Using sex pheromone to control of diamondback moth was sustainable and effective in reducing the incidence of field pests, and to achieve the aim of reducing the use of pesticides. It has an economy, security and efficient characteristics. Using sex pheromone to control of diamondback moth has a bright future.

Keywords: diamondback moth sex pheromone monitoring prevention and treatment

Fund:

国家农业公益性行业科研专项经费项目(200803001); 省院合作项目(云南省农业科学院农业环境资源研究所合作项目)

引用本文:

杨明文1, 李文芳1, 韦丽莉1, 徐家菊1, 胡英敏2, 杨子林1, 谌爱东. 性诱剂监测及防治小菜蛾研究初报[J] 云南农业大学学报(自然科学), 2011, V26(4): 572-577

YANG Mingwen1, LI Wenfang1, WEI Li-li1, XU Jia-ju1, HU Ying-min2, YANG Zi-lin1, SHEN Ai-dong3. null[J] Journal of Yunnan Agricultural University, 2011, V26(4): 572-577

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